

**UROLOGY (URO-ONCOLOGY) FELLOWSHIP
ATTACHMENT PROGRAMME IN SGH**

Components	Information
1. Division/ Department	Surgery & Surgical Oncology/ Urology
2. Title of Programme	Fellowship Training in Urology (Uro-Oncology) (6 – 12 months max)
3. Relevant Registrations	<ul style="list-style-type: none"> • Temporary Registration with Singapore Medical Council (SMC) • Training employment pass application with Ministry of Manpower, Singapore (MOM) (upon successful Temporary Registration with Singapore Medical Council)
4. Overview 4.1 Background information	The Uro-Oncology Fellowship provides a broad exposure to the diagnosis, evaluation and management of urological malignancies. The trainee will be exposed to and is expected to participate in prostate advanced imaging, biopsy and targeted therapy, endoscopic management of prostate and bladder cancers, robotic and open prostate, kidney and bladder surgery and other complex genitourinary resections and reconstructions. The trainee is expected to participate in uro-oncological research as assigned by the faculty and will be guided to produce peer-reviewed publications on their research.
4.2 Goal/ aim(s)	The aims are for the trainee to achieve: <ol style="list-style-type: none"> (1) Proficiency in performing core uro-oncological procedures independently (2) Proficiency in assisting/ performing core-plus uro-oncological procedures under guidance (3) Exposure and proficiency in assisting faculty with specialty-definitive uro-oncological procedures. (4) Exposure to uro-oncological literature (5) Skills in data analysis and manuscript writing
4.3 Duration	6-12 months
4.4 Hyperlinks/URL Sites	https://www.sgh.com.sg/patient-care/specialties-services/urology
5. Target Audience	Urologists who wish to build an academic practice in Uro-Oncology.
5.1 Pre-requisite /eligibility requirement(s)	<p>General requirements for Temporary Registration for training (required by SMC):</p> <ul style="list-style-type: none"> • A basic medical degree from an accredited medical university or medical school • Passed the relevant national licensing examination in the country of conferment of basic degree, where applicable • Evidence of at least 12 months houseman-ship / internship with a certificate of satisfactory completion of houseman-ship or equivalent • Been registered as a medical practitioner in the country where he is currently practising • Been certified to be of good standing by the Medical Council or the relevant national authority <p>Note: The doctor should be in active clinical practice (and been registered as a medical practitioner in the countries of practice) for the 3 years preceding the application for medical registration in Singapore.</p> <p>In addition to the above criteria, Clinical Fellows must:</p>

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	<p>a) Have a minimum of 3 years working experience as a medical officer (or equivalent)</p> <p>b) Fulfil English Language requirements of SMC if the medium of instruction for the basic medical qualification is <u>not</u> in English</p> <p>c) Preferably have obtained a postgraduate diploma or medical degree in his country or overseas</p> <p>d) Be sponsored by (i) the government, or (ii) regional health authority or (iii) an appropriate institution in the home country. For (d)(iii), the doctor must be on current full-time employment (40 hours or more per week) with the sponsoring institution.</p> <p>As a Clinical Fellow, the doctor will be allowed to be involved in patient care and make entries in patients' case note, communicate care plans to patients and fellow healthcare professionals, and perform procedures under <u>direct</u> supervision or Level 1 supervision under SMC's Supervisory Framework.</p>
<p>6. Learning Objectives</p>	<p>This fellowship would allow the Fellow to acquire:</p> <ul style="list-style-type: none"> • Proficiency in performing core uro-oncological procedures independently • Proficiency in assisting/ performing core-plus uro-oncological procedures under guidance • Exposure and proficiency in assisting faculty with specialty-definitive uro-oncological procedures. • Exposure to uro-oncological literature • Skills in data analysis and manuscript writing
<p>7. Course/Training Syllabus</p>	<p>Core procedures</p> <ul style="list-style-type: none"> - TURP, TURBT, Ureteroscopy <p>Core-plus procedures</p> <ul style="list-style-type: none"> - Prostate Cancer – Gold Seed Insertion - Kidney Cancer – Open Radical Nephrectomy OR Nephroureterectomy, Laparoscopic Radical Nephrectomy OR Nephroureterectomy, Open Partial Nephrectomy - Penile Cancer – Partial Penectomy <p>Specialty Definitive Procedures</p> <ul style="list-style-type: none"> - Bladder Cancer – Open Radical Cystectomy, Robotic/Laparoscopic Radical Cystectomy - Kidney Cancer – Robotic/Laparoscopic Partial Nephrectomy, Open Radical Nephrectomy with IVC Thrombectomy, Robotic/Laparoscopic Radical Nephrectomy with IVC Thrombectomy - Prostate Cancer – Rectal Spacer Insertion, LDR/HDR Brachytherapy, Cryotherapy, Open Radical Prostatectomy, Robotic/Laparoscopic Radical Prostatectomy - Testis Cancer – Open Retro-peritoneum Lymph Node Dissection - Penile Cancer – Total Penectomy, Radical Penectomy, Open Radical Inguinal Node Dissection, Laparoscopic/Robotic Radical Inguinal Node Dissection
<p>8. Training Method</p>	<p>Method of Supervision: Direct observation and feedback. Clinical Fellow will be supervised by an assigned supervisor at all times.</p>

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	TRAINING ACTIVITIES & METHODOLOGY																					
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8.1 Night Duties Requirement	Not required.																					
9. Assessment and Evaluation	Fellows will need to demonstrate their proficiency level based on the following competencies:																					

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	<p>1) Patient Care</p> <ul style="list-style-type: none"> • Ability to perform an adequate prostate, genitalia, and testicular exam • Develop expertise in the urethral and suprapubic bladder catheterization • Ability to assess under supervision good quality IVU, CT, cystogram and urethrogram for the evaluation of genitourinary trauma • Capable of recognizing and treating phimosis, paraphimosis and priapism • Know how to perform a circumcision • Ability to recognize a testicular torsion • Know how to perform incision drainage of scrotal & perineal abscesses • Know how to remove surgical drains and tubes, perform venepuncture & ABG, peripheral line insertion, NG tube insertion • Ability to perform simple suturing, knot tying and wound debridement • Assist in major operative procedures • Participate in ward management and post-operative surgery including ward emergencies eg shock, hypoxia • Prioritize patient acuity and clinical responsibilities • Plan patient discharge (including writing of discharge summaries writing prescriptions and ensuring appropriate follow-up) <p>2) Medical Knowledge</p> <ul style="list-style-type: none"> • Understand the fundamental principles of common urological problems including renal, bladder and urethral trauma, renal stone disease, prostate disease, urological infections, renal and bladder cancers and testicular torsion and neoplasm • Develop knowledge base of general urologic diseases, such as BPH, erectile dysfunction, evaluation of haematuria, urinary tract infection • Gain outpatient experience with medical management of common urologic diseases • Gain surgical skills, including microsurgery, associated with treatment of general urologic diseases as described above • Gain experience in the spectrum of post-operative care and long term follow-up of patients with surgical procedures • Gain experience in the entire spectrum of management of infertility. <p>3) Practice-Based Learning and Improvement</p> <ul style="list-style-type: none"> • Remain current on medical literature as it relates to common urological diseases • Be familiar with online medical databases • Acquire skills in resource management • Participate in didactic sessions/presentations <p>4) Interpersonal and Communication Skills</p> <ul style="list-style-type: none"> • Display a friendly disposition that is conducive to successful interaction with team members and patients • Communicate treatment plans with support staff and be able to listen and respond to patients and support staff questions in a positive manner • Learn to gather essential information from patients, and accurately document patient encounters

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	<ul style="list-style-type: none"> Interact with nurses, residents, attending surgeons and ancillary staff to achieve the health-related goals of the patient <p>5) Professionalism</p> <ul style="list-style-type: none"> Be attentive to ethical issues Be sensitive to age, gender, race and culture of patients and other health care professionals. Be committed to their patients superseding personal self-interests including readiness to provide bedside and operative care to patient irrespective of time of day Be receptive to feedback on performance <p>6) Systems-Based Practice</p> <ul style="list-style-type: none"> Demonstrate the ability to efficiently organize the care of the surgical patients in a cost-effective and evidence based manner. Adhere to hospital policies and procedures and other regulatory guidelines Be aware of medico-legal issues Efficiently make use of information technology and computer resources available Integrate closely with the total team of residents and consultants on caring for patients with urological diseases Demonstrate good patient advocacy skills 						
9.1 Assessment approaches	<p>Formative assessment:</p> <ul style="list-style-type: none"> Regular evaluation between Fellow and Supervisor / Head of Department Reflective journal- logbook recordings of training activities <p>Summative assessment: Periodical assessment reports as required by Singapore Medical Council</p> <p>Feedback:</p> <ul style="list-style-type: none"> End-of-training feedback form as required by Singapore Medical Council End-of-training feedback session with SGH-PGMI 						
9.2 Evaluation Process 9.2.1 General overall grading system	<p>The general overall grading system evaluates the Clinical Fellow's performance upon completion of the fellowship programme. All Clinical Fellow will be given a general overall grading status at the end of the fellowship programme based on the grading criteria requirements incorporating the six competencies based knowledge, skills and performance that Clinical Fellow must demonstrate throughout the programme.</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr style="background-color: #4F81BD; color: white;"> <th style="width: 20%;">Grading Status</th> <th style="width: 40%;">Description</th> <th style="width: 40%;">Grading Criteria Requirements</th> </tr> </thead> <tbody> <tr style="background-color: #D9E1F2;"> <td>CMP</td> <td>Completes the programme</td> <td> <ul style="list-style-type: none"> 1 publication (at least a manuscript) before end of the fellowship program </td> </tr> </tbody> </table>	Grading Status	Description	Grading Criteria Requirements	CMP	Completes the programme	<ul style="list-style-type: none"> 1 publication (at least a manuscript) before end of the fellowship program
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	<ul style="list-style-type: none"> • 1 abstract to be submitted for local or overseas conference • Attended 80% of the clinics and operating theatres schedules. • Attended 80% of the Department CME activities <table border="1" data-bbox="500 562 1495 1087"> <tr> <td data-bbox="505 569 683 768">USP</td> <td data-bbox="683 569 1040 768">Unsatisfactory performance</td> <td data-bbox="1040 569 1490 768"> <ul style="list-style-type: none"> • Attended less than 80% of the clinics and operating theatres schedules • Attended less than 80% of Department CME activities </td> </tr> <tr> <td data-bbox="505 768 683 968">DCP</td> <td data-bbox="683 768 1040 968">Did not complete the programme</td> <td data-bbox="1040 768 1490 968"> <ul style="list-style-type: none"> • Attended less than 60% of the clinics and operating theatres schedules • Attended less than 60% of the Department CME activities </td> </tr> <tr> <td data-bbox="505 968 683 1081">WDN</td> <td data-bbox="683 968 1040 1081">Withdrawn from the programme</td> <td data-bbox="1040 968 1490 1081"> <ul style="list-style-type: none"> • On compassionate ground • Health-related ground </td> </tr> </table>	USP	Unsatisfactory performance	<ul style="list-style-type: none"> • Attended less than 80% of the clinics and operating theatres schedules • Attended less than 80% of Department CME activities 	DCP	Did not complete the programme	<ul style="list-style-type: none"> • Attended less than 60% of the clinics and operating theatres schedules • Attended less than 60% of the Department CME activities 	WDN	Withdrawn from the programme	<ul style="list-style-type: none"> • On compassionate ground • Health-related ground
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<p>9.2.2 Options for Clinical Fellow who was graded with a (USP) for unsatisfactory performance</p>	<p>To re-apply the Fellowship Program</p>									
<p>9.3 Criteria for Early Termination</p>	<p>The attachment programme will be terminated early on the ground of the Fellow's poor performance, misdemeanour, misconduct, negligence or breach of any terms stipulated or referred to in the Fellowship Letter of Offer and Institution Terms and Conditions.</p> <p>The Fellow may also request to terminate the attachment programme for reasons such as serious illness or other personal obligations.</p> <p>The institution will review all requests for early termination with the Fellow and the Supervisor / Head of Department.</p>									
<p>10. Course Administration</p>	<p>Type of Certification: Certificate of Training</p> <p>Training Fee: S\$3,000 (before prevailing GST) per month</p> <p>Programme Funding source: Self-funded</p>									

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11. Number of Clinical Fellow to be accepted at any one time	1